

National Aeronautics and Space Administration
Kennedy Space Center
Radiation Use Authorization Guide (15-02)



Do you wish to utilize any sources of radiation (i.e. X-ray units, radioactive materials, lasers, RF transmitters, or Ultraviolet (UV)/Optical devices)?

- If **yes**, KSC Radiation Protection Program requirements may apply, and a Radiation Use Authorization may be required. Refer to the submittal process below for the required documentation.
- If **no**, KSC Radiation Protection Program requirements are not applicable.

Radiation Use Request Submittal Process

Sources of ionizing and nonionizing radiation are controlled by Kennedy NASA Procedural Requirements (KNPR) 1860.1 and KNPR 1860.2, respectively. The Health Physics Office **will help** you determine if there are any applicable exemptions identified in the respective KNPR.

The Health Physics Office will evaluate your request via submitted documentation. The appropriate forms can be obtained from the NASA Electronic Forms website, <https://nef.nasa.gov>, or from the Health Physics Office. The specific forms needed to perform an evaluation of use will be dependent on the source and type of radiation. Generally, required documentation includes:

- 1) The respective Radiation Use Request Form:
 - X-ray producing devices – [KSC Form 28-34](#)
 - Radioactive Materials – [KSC Form 16-295](#)
 - Lasers – [KSC Form 16-447](#)
 - RF Transmitters – [KSC Form 16-451](#)
 - UV/Optical – [KSC Form 28-626](#)
- 2) Training and Experience Summary Forms:
 - Ionizing Radiation – [KSC Form 16-294](#) (for x-ray devices and radioactive materials)
 - Nonionizing Radiation – [KSC Form 16-450](#) (for RF, lasers, and UV radiation sources)

This form is required for the Area Radiation Officer, Use Supervisor/Custodian, and each individual who will have access to radiation levels in excess of those values acceptable for the general public. [KNPR 1860.1](#) and [KNPR 1860.2](#) specify training requirements for users of ionizing and nonionizing radiation. The Health Physics Office provides training which satisfies KNPR requirements for each type of radiation. Equivalent offsite training may be substituted for KSC provided training, however, the course material (or access to it) must be provided to ensure requirements specified in the KNPR are met.

- 3) Certification documentation for individuals, as applicable (x-ray technicians, industrial radiographers, etc.)
- 4) Copies of applicable Licenses or Registrations
- 5) Supporting documentation which may assist the Health Physics Office in performing a detailed evaluation (specification sheets, product manuals, etc.).

Documentation may be submitted electronically to Tristan.J.Timm@nasa.gov, or mailed to: Health Physics Office, IMSS-023, Kennedy Space Center, Florida 32899.

Once all documentation has been evaluated, the Health Physics Office will issue a Radiation Use Authorization, if necessary. This document will outline any use requirements and control provisions.

If you have any questions regarding this process or the KSC Radiation Protection Program, contact the Health Physics Manager, Tristan Timm, at 321-861-5218 or Tristan.J.Timm@nasa.gov, or the NASA KSC Radiation Protection Officer, Kurt Geber, at 321-867-6958 or Kurt.R.Geber@nasa.gov.